

OVERVIEW

There are two types of Liebert SN sensors:

Integrated sensors:

Are attached to a single cable and are available in these versions: one temperature probe; three temperature probes; and three temperature probes plus one humidity probe. These sensors may be placed in any area, including within a rack, to monitor temperature and humidity levels.

Modular sensors:

Are separate probes, each shipped with a 6.6 ft. (2m) cable for connection to a Liebert® monitoring product. There are specific configurations to monitor digital inputs or temperature (1 probe each), or both temperature and humidity (2 probes). These sensors may be placed in any area within a rack to monitor temperature and humidity levels, and digital inputs such as a door switch, or smoke or water detectors. There is also a leak sensor with 20' long detection cable which is compatible with the IS-UNITY-DP communications card.

The Liebert SN product line offers a wide range of sensors for temperature, humidity leak detection and other readings. Liebert SN sensors are designed to assist in monitoring conditions within a rack or network closet and can be placed in any area to read temperature and humidity levels, and digital inputs.

Sensor wiring connects to the Liebert RPC card, which enables monitoring through Liebert MPX™ or MPH™ rack PDU models. It also connects to the IS-UNITY-DP communications card.

Compatible Liebert Products

Liebert SN integrated sensors are compatible with the following products:

- Liebert MPX — an Adaptive Rack PDU (power distribution unit) built with modular and scalable components that can be installed and reconfigured on-site to meet varying input and output power connectivity needs. The Liebert RPC (Rack PDU Card) is an optional accessory for the Liebert MPX, but is required for connecting the Liebert SN.
- Liebert MPH — a single unit with fixed capacity, input and output. The Liebert RPC is factory installed in the Liebert MPH.
- Liebert IS-UNITY-DP communications card: Liebert IntelliSlot Unity Communications Interface Card provides Web access and third-party customer protocols for Vertiv™ equipment.

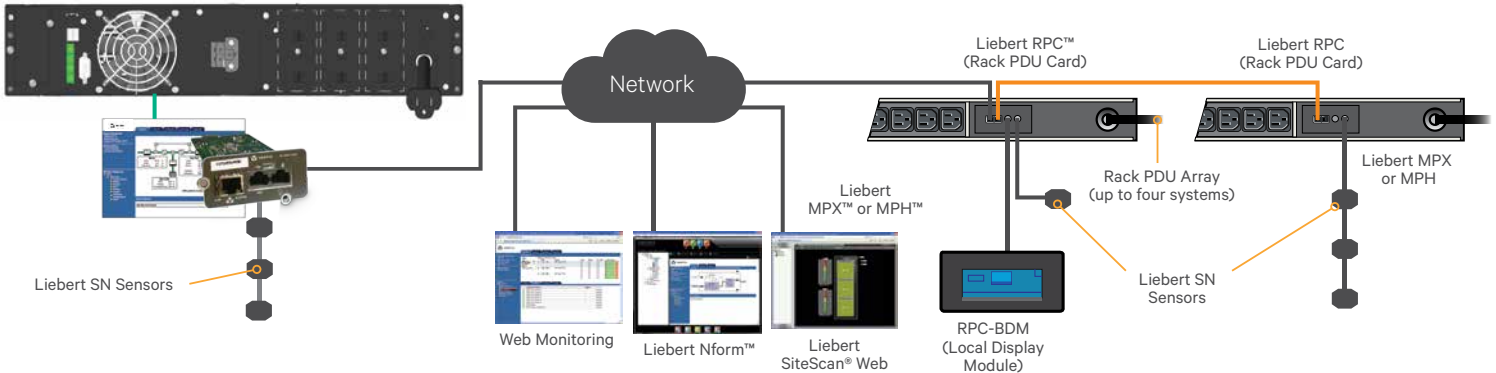
Flexibility

- Both sensor types feature auto-configuration — no set-up required.
- Liebert SN sensors may be connected in a string which may include a combination of modular and integrated sensors.
- May be tool-lessly mounted on a Vertiv rack frame, or may be mounted on a rack door, rack rail, or on flat surfaces within the rack.

Lowest Total Cost of Ownership

- Integration with existing monitoring systems, and auto-configuration features, save time and money in installation and operation.

Liebert® GXT4™ UPS



Liebert® SN™ Specifications-Integrated Sensors

DIMENSIONS - W X D X H, IN. (MM)	2 X 3/4 X 1-5/8 (51 X 19 X 41)
Weight, lb. (kg)	
Net Weight	0.25 (0.11)
Shipping Weight	0.44 (0.2)
TEMPERATURE (ALL MODELS), °F (°C)	
Ambient Operating Environment	41 to 131 (5 to 55)
Temperature Sensor Range	41 to 131 (5 to 55)
Accuracy	±1.1 (±0.5)
HUMIDITY (SN-Z03 MODELS)	
Humidity	10 to 95% RH (non-condensing)
Accuracy	±3.5% RH
Altitude, ft. (m)	Up to 6,500 (2000)



Integrated Sensors

Modular Sensors

DIMENSIONS - W X D X H, IN. (MM)	2 X 3/4 X 1-5/8 (51 X 19 X 41)
Weight, lb. (kg)	
Net Weight	0.25 (0.11)
Shipping Weight	0.44 (0.2)
TEMPERATURE (SN-T AND SN-TH MODELS), °F (°C)	
Ambient Operating Environment	41 to 131 (5 to 55)
Temperature Sensor Range	41 to 131 (5 to 55)
Accuracy	±1.1 (±0.5)
HUMIDITY (SN-TH MODELS)	
Humidity	10 to 95% RH (non-condensing)
Accuracy	±3.5% RH
Altitude, ft. (m)	Up to 6,500 (2000)
DRY CONTACT SUPPORTS (SN-3C MODELS, SN-2D)	NON-POWERED CONTACT RATED FOR MINIMUM OF 5V, 1MA



SN-L20 leak sensor
The unit senses when liquid contacts a special cable and reports that to a monitoring device.
Only compatible with the IS-Unity Card.



Modular Sensors



IS-UNITY-DP



Liebert RPC Rack PDU Card

Up to ten Liebert SN Sensor “probes” may be connected to an RPC-1000 — Integrated and Modular sensors may be used in combination. The number of probes varies by sensor type. The maximum string length is 65.6 ft. (20m).